



STIC EIC 2100 Search Request Form

150288

Today's Date: 4/8/05

What date would you like to use to limit the search?

Priority Date: 3/22/01

Other:

Name Cong-Lac Huynh

AU 2178 Examiner # 76270

Room # RND-3A65 Phone 2-4125

Serial # 09/815,546

Format for Search Results (Circle One):

PAPER DISK EMAIL

Where have you searched so far?

USP DWPI EPO JPO ACM IBM TDB

IEEE INSPEC SPI Other ProQuest

Is this a "Fast & Focused" Search Request? (Circle One) YES NO

A "Fast & Focused" Search is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2100 and on the EIC2100 NPL Web Page at <http://ptoweb/patents/stic/stic-tc2100.htm>.

What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

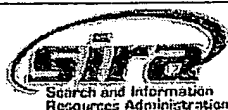
Topic: Providing a description of a current position in an HTML/XML document.

Novelty: Upon receiving a user request for a description of a current position in the document, using an algorithm to construct a position response by walking up the parse tree, from the tree node associated with the current position in the doc to the root of the doc, and delivering the position response to the user.

Keywords: current position, HTML/XML document, walk up algorithm

STIC Searcher Geoffrey St. Leger Phone 23540

Date picked up 4/8/05 Date Completed 4/8/05





STIC Search Report

EIC 2100

STIC Database Tracking Number 150288

TO: Cong-Lac Huynh
Location: RND 3A65
Art Unit : 2178
Friday, April 08, 2005

Case Serial Number: 09/815546

From: Geoffrey St. Leger
Location: EIC 2100
Randolph-4B31
Phone: 23450

geoffrey.stleger@uspto.gov

Search Notes

Dear Examiner Huynh,

Attached please find the results of your search request for application 09/815546. I searched Dialog's patent files, technical databases and general files.

Please let me know if you have any questions.

Regards,


Geoffrey St. Leger
4B31/x23540



STIC Search Results Feedback Form

EIC 2100

Questions about the scope or the results of the search? Contact **the EIC searcher or contact:**

Anne Hendrickson, EIC 2100 Team Leader
272-3490, RND 4B28

Voluntary Results Feedback Form

➤ I am an examiner in Workgroup: Example: 2133

➤ Relevant prior art **found**, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
(journal articles, conference proceedings, new product announcements etc.)

➤ Relevant prior art **not found**:

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to STIC/EIC2100 RND, 4B28



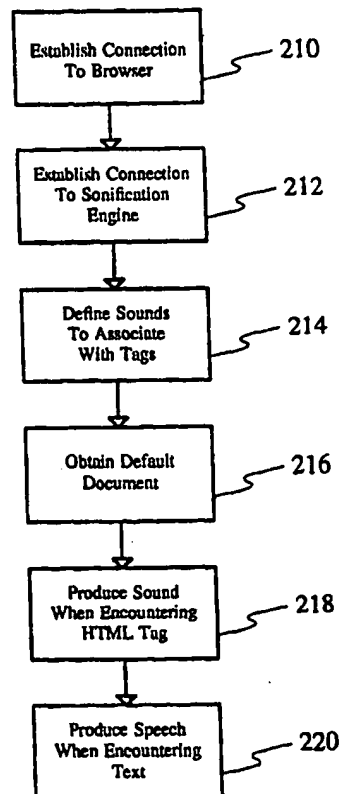
PCTWORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : G10L 5/04	A1	(11) International Publication Number: WO 99/21169 (43) International Publication Date: 29 April 1999 (29.04.99)
(21) International Application Number: PCT/US98/22235 (22) International Filing Date: 21 October 1998 (21.10.98) (30) Priority Data: 08/956,238 22 October 1997 (22.10.97) US (71) Applicant (for all designated States except US): SONICON, INC. [US/US]; 56 Salisbury Road, Watertown, MA 02472 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): MACKENTY, Edmund, R. [US/US]; Sonicon, Inc., 56 Salisbury Road, Watertown, MA 02472 (US). OWEN, David, E. [US/US]; Sonicon, Inc., 56 Salisbury Road, Watertown, MA 02472 (US). ARONS, Barry, M. [US/US]; Sonicon, Inc., 56 Salisbury Road, Watertown, MA 02472 (US). CLEMENS, Marshal, W. [US/US]; Sonicon, Inc., 56 Salisbury Road, Watertown, MA 02472 (US). (74) Agents: COHEN, Jerry et al.; Perkins, Smith & Cohen, LLP, One Beacon Street, Boston, MA 02108 (US).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>

(54) Title: SYSTEM AND METHOD FOR AUDITORIALY REPRESENTING PAGES OF HTML DATA**(57) Abstract**

A method for representing HTML documents auditorially includes the steps of assigning (214) unique sounds to HTML tags and events encountered in an HTML document, producing the associated sounds whenever those tags or events are encountered (218), and representing encountered text as speech (220). Speech and non-speech sounds may be produced simultaneously or substantially simultaneously. A corresponding system (10) is also disclosed.



What is claimed is:

CLAIMS

1. A method of representing HTML documents auditorially, the HTML document including text and at least one HTML tag, the
5 method comprising the steps of:
 - (a) assigning a sound to an HTML tag encountered in a document (214);
 - (b) producing the assigned sound whenever the HTML tag associated with the sound is encountered (218); and
 - 10 (c) producing speech representing text encountered in the HTML document (220).
2. The method of claim 1 wherein steps (b) and (c) occur substantially simultaneously.
3. The method of claim 1 wherein step (c) further comprises
15 (c-a) producing speech representing text encountered in the HTML document; and
(c-b) including pauses in the speech representing punctuation encountered in the HTML document.
4. The method of claim 1 further comprising the steps of
20 (d) accepting input indicating selection of a particular HTML tag;
(e) auditorially displaying a new HTML document identified by the selected tag.
5. The method of claim 1 further comprising the steps of:
25 (f) altering a sound whenever a sound altering HTML tag is encountered; and
(g) halting a sound whenever a sound halting HTML tag is encountered.
6. The method of claim 1 further comprising the step of
30 replacing a textual construct with a text passage before step (c).
7. The method of claim 6 wherein said replacing step comprises replacing an electronic mail address with a text passage before step (c).
- 35 8. A system for representing HTML documents auditorially, the system comprising:

a parser (12) receiving a HTML document and outputting a tree representing the received document; and a reader (14) using the tree to produce sound representing the text and tags contained in the HTML document.

5 9. The system of claim 8 wherein said parser produces a tree having at least one node, said at least one node representing a HTML tag.

10 10. The system of claim 9 wherein tag attributes and tag attribute values are attached to each node.

11. The system of claim 8 wherein textual data contained in the HTML document is represented as leaf nodes of the tree.

12. The system of claim 8 wherein said reader performs a depth-first traversal of the tree to produce sound
15 representing the texts and tags contained in the HTML document.

13. The system of claim 8 further comprising a read cursor indicating the position within the parsed HTML tree that said reader is currently outputting.

20 14. The system of claim 13 wherein the position of the read cursor can be changed, causing a different position of the parsed HTML document to be output.

15. The system of claim 8 further comprising an enqueue cursor indicating the position within the parsed HTML tree that will be processed for output by said reader.

25 16. An article of manufacture having computer-readable program means for representing HTML documents auditorially embodied thereon, the HTML document including text and at least one HTML tag, the article of manufacture comprising:

- 30 (a) computer-readable program means (214) for assigning a unique sound to an HTML tag encountered in a document;
(b) computer-readable program means (218) for producing the assigned sound whenever the HTML tag associated with the sound is encountered; and
35 (c) computer-readable program means (220) for producing speech representing text encountered in the HTML document.

17. The article of claim 16 further comprising:

- (d) computer-readable program means for accepting input indicating selection of a particular HTML tag; and
- (e) computer-readable program means for auditorially displaying a new HTML document identified by the selected tag.

5

File 348:EUROPEAN PATENTS 1978-2005/Apr W01

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File 349:PCT FULLTEXT 1979-2005/UB=20050331,UT=20050324

(c) 2005 WIPO/Univentio

Set	Items	Description
S1	22346	WEBPAGE? ? OR (WEB OR INTERNET OR HTML OR HYPERTEXT??? OR - HTTP()PAGE? ? OR (HTML OR XML OR (MARKUP OR MARK()UP()LANGU- AGE OR HYPERTEXT)(1W)(FILE? ? OR DOCUMENT? ?)
S2	754017	DOCUMENT? ? OR PAGE OR PAGES OR ARTICLE? ? OR TEXT
S3	30570	(POSITION OR LOCATION)(5N)(CURSOR OR POINTER OR ARROW OR M- ARKER OR INDICATOR)
S4	479	S1:S2(7N)(CURRENT(2W)(POSITION OR LOCATION OR SPOT))
S5	26494	(POSITION OR LOCATION)(7N)S1:S2
S6	69732	TREE OR TREES OR HIERARCH?
S7	1925	S6(5N)(WALK??? OR TRAVERS???)
S8	1373	(POSITION OR LOCATION)(5N)S1:S2(5N)(CURSOR OR POINTER OR A- RROW OR MARKER OR INDICATOR)
S9	3	(S4 OR S8)(50N)S7
S10	21	S5(50N)S7
S11	18	S10 NOT S9
S12	11	S11 AND AC=US/PR
S13	9	S12 AND AY=(1970:2001)/PR
S14	10	S11 AND PY=1970:2001
S15	12	S13:S14

9/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00662861

System and method for control of a computer.
System und Verfahren zur Steuerung eines Rechners.
Systeme et methode pour la commande d'un ordinateur.

PATENT ASSIGNEE:

AT&T GLOBAL INFORMATION SOLUTIONS INTERNATIONAL INC., (1449481), 1700
South Patterson Boulevard, Dayton, Ohio 45479, (US), (applicant
designated states: DE;FR;GB)

INVENTOR:

1Miller, Michael Stephen, 310 Waverly Hall Circle, Roswell, Georgia 30075
, (US)

Hunter, Wesley Gene, 3425-B North Druid Hills Road, Decatur, Georgia
30033, (US)

LEGAL REPRESENTATIVE:

Cleary, Fidelma et al (85871), International IP Department NCR Limited
206 Marylebone Road, London NW1 6LY, (GB)

PATENT (CC, No, Kind, Date): EP 636974 A2 950201 (Basic)
EP 636974 A3 950705

APPLICATION (CC, No, Date): EP 94305497 940726;

PRIORITY (CC, No, Date): US 98998 930729

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06F-009/46; G06F-003/033; G06F-003/023;

ABSTRACT WORD COUNT: 122

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF2	515
SPEC A	(English)	EPABF2	9325
Total word count - document A			9840
Total word count - document B			0
Total word count - documents A + B			9840

...SPECIFICATION recognizable by the system, enter one or more characters
of the search pattern. The search begins at the original cursor **position**
. As each character is recognized, the **cursor** moves immediately left of
the **text** that is nearest the original **cursor position** and that
matches the search pattern. "Nearest" is defined in terms of depth-first
traversal of the folder **tree**. If there is no match, then the cursor
does not move. Lower case patterns match lower and upper case content...

9/3,K/2 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00489818 **Image available**

SYSTEM AND METHOD FOR AUDITORIALLY REPRESENTING PAGES OF SGML DATA
SYSTEME ET PROCEDE POUR LA REPRESENTATION SONORE DE PAGES DE DONNEES DE
LANGAGE STANDARD GENERALISE DE BALISAGE (SGML)

Patent Applicant/Assignee:

SONICON INC,
MACKENTY Edmund R,
OWEN David E,

Inventor(s):

MACKENTY Edmund R,
OWEN David E,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9921170 A1 19990429
Application: WO 98US22236 19981021 (PCT/WO US9822236)
Priority Application: US 97956238 19971022

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM
HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX
NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH
GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES
FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN
TD TG

Publication Language: English

Fulltext Word Count: 5687

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... that it can

represent the end of that tag in sound as well.

The reader maintains two cursors as it traverses the tree data structure. A cursor is a reference to a particular position, or node, within the tree. The first cursor represents the position within the parsed SGML document tree which is currently being sonified, and will be referred to as the "read cursor". The second cursor represents the...

Claim

... represented as leaf nodes of the tree.

12 The system of claim 8 wherein said reader performs a depth-first traversal of the tree to produce sound representing the texts and tags contained in the SGML document.

13 The system of claim 8 further...

...position within the parsed SGML tree that said reader is currently outputting.

14 The system of claim 13 wherein the position of the read cursor can be changed, causing a different position of the parsed SGML document to be output.

. The system of claim 8 further comprising an enqueue cursor indicating the position within the parsed SGML...

9/3,K/3 (Item 2 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00489817 **Image available**

SYSTEM AND METHOD FOR AUDITORIALY REPRESENTING PAGES OF HTML DATA
SYSTEME ET PROCEDE POUR LA REPRESENTATION SONORE DE PAGES DE DONNEES HTML

Patent Applicant/Assignee:

SONICON INC,
MACKENTY Edmund R,
OWEN David E,
ARONS Barry M,
CLEMENS Marshal W,

Inventor(s):

MACKENTY Edmund R,
OWEN David E,
ARONS Barry M,

CLEMENS Marshal W,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9921169 A1 19990429
Application: WO 98US22235 19981021 (PCT/WO US9822235)
Priority Application: US 97956238 19971022
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM
HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX
NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH
GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES
FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN
TD TG

Publication Language: English
Fulltext Word Count: 7293

Fulltext Availability:
Detailed Description
Claims

Detailed Description
... that it can
represent the end of that tag in sound as well.

The reader maintains two cursors as it traverses the tree data structure. A cursor is a reference to a particular position, or node, within the tree. The first cursor represents the position within the parsed HTML document tree which is currently being sonified, and will be referred to as the "read cursor". The second cursor represents the...

Claim
... represented as leaf nodes of the tree.

12 The system of claim 8 wherein said reader performs a depth-first traversal of the tree to produce sound representing the texts and tags contained in the HTML document.

13 The system of claim 8 further...

...position within the parsed HTML tree that said reader is currently outputting.

14 The system of claim 13 wherein the position of the read cursor can be changed, causing a different position of the parsed HTML document to be output.

15/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00914979

AUTOMATED DOCUMENT CLASSIFICATION SYSTEM AND METHOD
AUTOMATISIERTES KLASSIFIKATIONSSYSTEM UND -VERFAHREN FUR DOKUMENTE
SYSTEME ET METHODE DE CLASSIFICATION AUTOMATIQUE DE DOCUMENTS

PATENT ASSIGNEE:

LEXIS-NEXIS, (2092361), a Division of Reed Elsevier Inc., 9443 Springboro
Pike, Miamisburg, OH 45401, (US), (Proprietor designated states: all)

INVENTOR:

MEHRLE, Joseph, P., 4617 Peakview Court, Hamilton, OH 45011, (US)

LEGAL REPRESENTATIVE:

Gray, John James et al (69603), Fitzpatrick's, 4 West Regent Street,
Glasgow G2 1RS, (GB)

PATENT (CC, No, Kind, Date): EP 970428 A1 000112 (Basic)
EP 970428 B1 030423
WO 97048057 971218

APPLICATION (CC, No, Date): EP 97925617 970516; WO 97US8381 970516

PRIORITY (CC, No, Date): US 654871 960529

DESIGNATED STATES: BE; CH; DE; ES; FR; GB; IT; LI; LU; NL

INTERNATIONAL PATENT CLASS: G06F-017/21; G06F-017/30

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200317	1034
CLAIMS B	(German)	200317	1053
CLAIMS B	(French)	200317	1240
SPEC B	(English)	200317	5479

Total word count - document A 0

Total word count - document B 8806

Total word count - documents A + B 8806

...SPECIFICATION In step 100, any unclassified legal document exceeding the minimum threshold value of step 108 will have inserted into its **text** the appropriate classification key and hierarchy **location** key, resulting in a classified legal **document**. These keys will provide navigation from the document to the hierarchy with which it is associated, and conversely a user **traversing** the **hierarchy** described above with reference to Figure 3 and produced by the process described above with reference to Figures 1A and...

15/3,K/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00867888

MEMORY PAGE COMPRESSION
SPEICHERSEITEN-KOMPRIMIERUNG
COMPRESSION DE PAGES DE MEMOIRE

PATENT ASSIGNEE:

Advanced Micro Devices, Inc., (2202740), Mail Stop 562, 5204 East Ben
White Boulevard, Austin, TX 78741, (US), (Proprietor designated states:
all)

INVENTOR:

MACDONALD, James, R., 203 Dewberry Cove, Buda, TX 78610, (US)

DUTTON, Drew, 6661 Whitmarsh Valley Walk, Austin, TX 78746, (US)

COX, Steve, 126 Royal Oak Lane, Austin, TX 78734, (US)

LEGAL REPRESENTATIVE:

Picker, Madeline Margaret (78551), Brookes Batchellor 1 Boyne Park,
Tunbridge Wells Kent TN4 8EL, (GB)

PATENT (CC, No, Kind, Date): EP 976045 A1 000202 (Basic)

EP 976045 B1 020424

WO 9723828 970703

APPLICATION (CC, No, Date): EP 96924645 960719; WO 96US12005 960719

PRIORITY (CC, No, Date): US 576100 951221

DESIGNATED STATES: DE; FR; GB; NL

INTERNATIONAL PATENT CLASS: G06F-012/02; G06F-012/08; G06F-012/10

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
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CLAIMS B	(English)	200217	1626
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CLAIMS B	(German)	200217	1495
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CLAIMS B	(French)	200217	2001
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SPEC B	(English)	200217	6517
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Total word count - document A			0
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Total word count - document B			11639
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Total word count - documents A + B			11639
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...SPECIFICATION address of page frame 111 and an offset portion 107 of linear address 109 provides an offset to physical memory location 112.

The compressed page mapping hierarchy 360 parallels address mapping hierarchy 350 and the same directory index 105 and table index 106 portions of linear address 109 are used to traverse both hierarchies. However, unlike the address mapping hierarchy 350 which maps a full 32-bit linear address to a physical memory location, the compressed page mapping hierarchy 360 maps from a linear page to a compressed page (i.e., from the page in the linear...

15/3,K/3 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00991721 **Image available**

BROWSER-TO-BROWSER, DOM-BASED, PEER-TO-PEER COMMUNICATION WITH DELTA SYNCHRONIZATION

COMMUNICATION POSTE A POSTE, NAVIGATEUR A NAVIGATEUR, REPOSANT SUR LE MODELE D'OBJET DOCUMENT, AVEC SYNCHRONISATION DELTA

Patent Applicant/Assignee:

SOFT2B LLC, 303 Worcester Road, Framingham, MA 01701, US, US (Residence), US (Nationality)

Inventor(s):

ZHANG Chenglin, 15 Newton Street, Southboro, MA 01772, US,

Legal Representative:

PANDISCIO Mark J (agent), Pandiscio & Pandiscio, 470 Totten Pond Road, Waltham, MA 02451-1914, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200321798 A2-A3 20030313 (WO 0321798)

Application: WO 2002US27992 20020903 (PCT/WO US02027992)

Priority Application: US 2001316994 20010904; US 2001340606 20011213

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 20141

Fulltext Availability:
Claims

Claim

... and XPointer expression; an XLINK expression; an Internet Explorer (IE) Markup Pointer identifying contents in a browser; an absolute character position in a stream-based HTML document model; and an object naming identification mechanism in a DHTML model.
22 A peer-to-peer communication system according to claim 21 wherein said identification mechanism comprises an XPointer expression, and further wherein is said XPointer expression is constructed by walking backwards through the DOM tree until finding the earlier of the root or the ID

15/3,K/4 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00893384 **Image available**

A METHOD AND SYSTEM FOR DESCRIBING AND IDENTIFYING CONCEPTS IN NATURAL LANGUAGE TEXT FOR INFORMATION RETRIEVAL AND PROCESSING
PROCEDE ET SYSTEME POUR LA DESCRIPTION ET L'IDENTIFICATION DE CONCEPTS, DANS LES TEXTES EN LANGAGE NATUREL, POUR LA RECUPERATION ET LE TRAITEMENT D'INFORMATION

Patent Applicant/Assignee:

GAVAGAI TECHNOLOGY INCORPORATED, #420, 6450 Roberts Street, Burnaby, British Columbia V5G 4E1, CA, CA (Residence), CA (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

FASS Daniel C, #205, 1150 Cotton Drive, Vancouver, British Columbia V5L 3T5, CA, CA (Residence), CA (Nationality), (Designated only for: US)

TURCATO Davide, #303, 1842 East Pender Street, Vancouver, British Columbia V5L 1W7, CA, CA (Residence), CA (Nationality), (Designated only for: US)

TISHER Gordon W, 15705 - 109A Avenue, Surrey, British Columbia V4N 4T6, CA, CA (Residence), CA (Nationality), (Designated only for: US)

NICHOLSON James Devlan, #409, 3136 St. Johns Street, Port Moody, British Columbia V3H 5E4, CA, CA (Residence), CA (Nationality), (Designated only for: US)

MOSNY Milan, #1702-1275 Pacific Street, Vancouver, British Columbia V6E 1T6, CA, CA (Residence), SK (Nationality), (Designated only for: US)

POPOWICH Frederick P, 119 5th Avenue, New Westminster, British Columbia V3L 1R3, CA, CA (Residence), CA (Nationality), (Designated only for: US)

TOOLE Janine T, 4056 Yale Street, Burnaby, British Columbia V5C 1P9, CA, CA (Residence), AU (Nationality), (Designated only for: US)

McFETRIDGE Paul G, #404, 2920 Ash Street, Vancouver, British Columbia V5Z 4S6, CA, CA (Residence), CA (Nationality), (Designated only for: US)

KROON Frederick W, #117, 544 Austin Avenue, Coquitlam, British Columbia V3K 3M8, CA, CA (Residence), CA (Nationality), (Designated only for: US)

Legal Representative:

GREEN Bruce M (agent), c/o Oyen Wiggs Green & Mutala, 480 - 601 West Cordova Street, Vancouver, British Columbia V6B 1G1, CA,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200227524 A2-A3 20020404 (WO 0227524)

Application: WO 2001CA1398 20010928 (PCT/WO CA01001398)

Priority Application: US 2000236342 20000929

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK
SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 21491

Fulltext Availability:

Detailed Description

Detailed Description

... example of how recursive descent matching 1066 The recursive descent
matcher 1066 attempts to match a given Concept at each position in the
text .

At position 0 (the first instance of the word the), the matcher
1066 traverses the Concept Tree 1054 in a top-down fashion. It first
encounters the OR operator. It then checks the first sub-expression of...

15/3,K/5 (Item 3 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
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00857248 **Image available**

SNIPPET SELECTION

SELECTION DE FRAGMENTS

Patent Applicant/Assignee:

SAP PORTALS INC, 30 Las Colinas Lane, San Jose, CA 95119, US, US
(Residence), US (Nationality)

Inventor(s):

GVILY Yaniv, 1395 Kelly Park Circle, Morgan Hill, CA 95037, US,

Legal Representative:

FRANKLIN Thomas D (et al) (agent), Townsend and Townsend and Crew LLP,
Two Embarcadero Center, 8th Floor, San Francisco, CA 94111, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200190908 A1 20011129 (WO 0190908)

Application: WO 2001US16403 20010522 (PCT/WO US0116403)

Priority Application: US 2000206764 20000522; US 2000210861 20000609; US
2000240032 20001012; US 2001797318 20010301

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 8109

Patent and Priority Information (Country, Number, Date):

Patent: ... 20011129

Fulltext Availability:

Detailed Description
Publication Year: 2001

Detailed Description

... of all nested elements. The selection process is greatly shortened
14
by focusing the selection control 704 around the initial location of
the user's click on the page 420. A slider 708 then enables the user to
walk up and down the DOM hierarchy tree from that initial location.
By slightly altering the storage of the snippet 904, it is possible to
share alerts...

15/3,K/6 (Item 4 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
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00835793 **Image available**
SYSTEM AND METHOD FOR AUTOMATING BUSINESS PROCESSES AND PERFORMING DATA
INTERCHANGE OPERATIONS IN A DISTRIBUTED COMPUTING ENVIRONMENT
SYSTEME ET PROCEDE D'AUTOMATISATION DE PROCESSUS D'ENTREPRISES ET DE
REALISATION D'OPERATIONS D'ECHANGE DE DONNEES DANS UN ENVIRONNEMENT
INFORMATIQUE DISTRIBUE

Patent Applicant/Assignee:

COMMERCE ROUTE INC, Suite 325, 6425 Christie Avenue, Emeryville, CA 94608,
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Inventor(s):

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SHAKKED Orr, 15 Sullivan Drive, Moraga, CA 94556, US,
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NORDBERG Per Henrik, 1675 Geary Road, Walnut Creek, CA 94596-2519, US,
CHU Shung-Yang Frank, 301 Rugby Avenue, Kensington, CA 94708, US,

Legal Representative:

URIBE Mauricio A (agent), Christensen O'Connor Johnson & Kindness PLLC,
Suite 2800, 1420 Fifth Avenue, Seattle, WA 98101-2347, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200169431 A2 20010920 (WO 0169431)
Application: WO 2001US8611 20010314 (PCT/WO US0108611)
Priority Application: US 2000524995 20000314

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS
LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ
TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 23262

Patent and Priority Information (Country, Number, Date):

Patent: ... 20010920

Fulltext Availability:

Claims

Publication Year: 2001

Claim

... object is a single node or a multi-instance node.

The routine 1950 begins at block 1954, where the source document at the
source location is read. Depending on the source data type, CROM calls

a reader to generate a source data tree object. At...

...is read. The file is then parsed to create the target STRUCT tree object. At block 1958, the target STRUCT tree object is "walked" to visit each node in the tree. Walking a tree in this manner is well known to those skilled in...

15/3,K/7 (Item 5 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00755423 **Image available**

CATEGORISING DATA

CATEGORISATION DE DONNEES

Patent Applicant/Assignee:

ARGO INTERACTIVE LIMITED, 7 Dukes Court, Chichester, West Sussex PO19 2FX
, GB, GB (Residence), GB (Nationality), (For all designated states
except: US)

Patent Applicant/Inventor:

JELBERT Richard, 37 Bognor Road, Chichester, West Sussex PO19 2NG, GB, GB
(Residence), GB (Nationality), (Designated only for: US)

TRIBBECK Jason Paul, 36 Nettlecombe Avenue, Southsea, Portsmouth PO4 0QW,
GB, GB (Residence), GB (Nationality), (Designated only for: US)

Legal Representative:

ROBINSON Nigel Alexander Julian (agent), D Young & Co., 21 New Fetter
Lane, London EC4A 1DA, GB,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200068833 A2-A3 20001116 (WO 0068833)

Application: WO 2000GB1535 20000419 (PCT/WO GB0001535)

Priority Application: GB 9910683 19990507; GB 9910684 19990507; GB
9910679 19990507; GB 9910682 19990507; GB 9910685 19990507

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

JP US

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Filing Language: English

Fulltext Word Count: 8714

Patent and Priority Information (Country, Number, Date):

Patent: ... 20001116

Fulltext Availability:

Detailed Description

Publication Year: 2000

Detailed Description

... since the first page accessed (e.g. through a bookmark) was page e,
this is at the top of the hierarchy. A user may subsequently traverse
the entire web site in the order shown by the numbers. The pages are
arranged in the session hierarchy according to these numbers with pages
at the same horizontal level indicating the same position within the
hierarchy.

Hypertext documents are viewed in some sequence by each reader,

moving

1 5 from one to another by choosing "links" within each...

15/3,K/8 (Item 6 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00755421 **Image available**

GRAPHICAL DATA WITHIN DOCUMENTS

DONNEES GRAPHIQUES DANS DES DOCUMENTS

Patent Applicant/Assignee:

ARGO INTERACTIVE LIMITED, 7 Dukes Court, Chichester, West Sussex PO19 2FX
, GB, GB (Residence), GB (Nationality), (For all designated states
except: US)

Patent Applicant/Inventor:

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Legal Representative:

ROBINSON Nigel Alexander Julian (agent), D. Young & Co., 21 New Fetter
Lane, London EC2A 1DA, GB,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200068831 A2-A3 20001116 (WO 0068831)

Application: WO 2000GB1533 20000419 (PCT/WO GB0001533)

Priority Application: GB 9910683 19990507; GB 9910684 19990507; GB
9910679 19990507; GB 9910682 19990507; GB 9910685 19990507

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

JP US

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Filing Language: English

Fulltext Word Count: 8299

Patent and Priority Information (Country, Number, Date):

Patent: ... 20001116

Fulltext Availability:

Detailed Description

Publication Year: 2000

Detailed Description

... since the first page accessed (e.g. through a bookmark) was page e.
this is at the top of the **hierarchv**. A user may subsequently **traverse**
the entire web site in the order shown by the numbers. The pages are
arranged in the session hierarchy according to these numbers with pages
at the same horizontal level indicating the same **position** within the
hierarchy.

Hypertext documents are viewed in some sequence by each reader.
moving

from one to another by choosincy "links" within each page. Where...

15/3,K/9 (Item 7 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00736185 **Image available**

DOCUMENT MANAGEMENT METHOD AND TOOL

PROCEDE ET GESTION DE DOCUMENTS

Patent Applicant/Assignee:

BRITISH TELECOMMUNICATIONS PUBLIC LIMITED COMPANY, 81 Newgate Street,
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Patent Applicant/Inventor:

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BERRY Rachel, 59 Goodby Road, Moseley, Birmingham B13 8RP, GB, GB
(Residence), GB (Nationality), (Designated only for: US)

Legal Representative:

GARRISON Christopher Sinclair, BT Group Legal Services, Intellectual
Property Dept., 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE
, GB

Patent and Priority Information (Country, Number, Date):

Patent: WO 200049519 A1 20000824 (WO 0049519)
Application: WO 2000GB552 20000216 (PCT/WO GB0000552)
Priority Application: GB 993641 19990217; EP 99304800 19990618

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB
GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA
MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG
US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 9533

Patent and Priority Information (Country, Number, Date):

Patent: ... 20000824

Fulltext Availability:

Detailed Description

Publication Year: 2000

Detailed Description

... case the location of the source file structure 700) and the location of a 'target' directory into which the 'templated' Web pages may be output.

Given the location of the source file structure 700, as with the first and second embodiments, when invoked the tool will first perform a so-called 'tree traversing' procedure, in a top down fashion. Yet again in the course of this first procedure the branching form of the...

15/3,K/10 (Item 8 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00432417 **Image available**

REMOTE ACCESS IN A GLOBALLY ADDRESSABLE STORAGE ENVIRONMENT

ACCES A DISTANCE DANS UN ENVIRONNEMENT DE STOCKAGE ADRESSABLE

Patent Applicant/Assignee:

MANGOSOFT CORPORATION,

Inventor(s):

CARTER John B,

DAVIS Scott H,

FRANK Steven J,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9822881 A1 19980528

Application: WO 97US21460 19971121 (PCT/WO US9721460)

Priority Application: US 96754481 19961122; US 97827534 19970328; US 97850364 19970502

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU
ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ
PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH KE LS MW
SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE
IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 26819

Patent and Priority Information (Country, Number, Date):

Patent: ... 19980528

Fulltext Availability:

Detailed Description

Publication Year: 1998

Detailed Description

... the global addressing memory engine level. The three most important 1
5 data structures at that level for managing the location and
consistency of a shared page are the Global RAM Directory (GRD), the
local RAM copyset structures, and the Global Disk Directory (GDD). The
global directories can be managed by walking a tree from root to
desired leaf node, "Ccpaging" in the appropriate pages as you need them.
One way to extend the...

15/3,K/11 (Item 9 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00383085 **Image available**

MEMORY PAGE COMPRESSION

COMPRESSION DE PAGES DE MEMOIRE

Patent Applicant/Assignee:

ADVANCED MICRO DEVICES INC,

Inventor(s):

MACDONALD James R,

DUTTON Drew,

COX Steve,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9723828 A1 19970703

Application: WO 96US12005 19960719 (PCT/WO US9612005)

Priority Application: US 95576100 19951221

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

JP KR AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 9481

Patent and Priority Information (Country, Number, Date):

Patent: ... 19970703

Fulltext Availability:

Detailed Description

Publication Year: 1997

Detailed Description

... page frame I 1 1 and an offset portion 107 of linear address 109
provides an offset to physical memory location 112.

The compressed page mapping hierarchy 360 parallels address mapping
hierarchy 350 and the same I 0 directory index 105 and table index 106
portions of linear address 109 are used to traverse both hierarchies .

However, unlike the address mapping hierarchy 350 which maps a full
32-bit linear address to a physical memory location , the compressed
page mapping hierarchy 360 maps from a linear page to a compressed page
(i.e., from the page in the linear...

15/3,K/12 (Item 10 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00251662

FILE DIRECTORY STRUCTURE GENERATOR AND RETRIEVAL TOOL
GENERATEUR DE STRUCTURE POUR REPERTOIRE DE FICHIERS, ET OUTIL D'EXTRACTION

Patent Applicant/Assignee:

2010 SOFTWARE CORPORATION,

Inventor(s):

COHEN-LEVY Leon,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9325961 A1 19931223

Application: WO 93US5556 19930610 (PCT/WO US9305556)

Priority Application: US 92896514 19920610

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

CA JP AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 16722

Patent and Priority Information (Country, Number, Date):

Patent: ... 19931223

Fulltext Availability:

Detailed Description

Publication Year: 1993

Detailed Description

... an

example of the representative embodiment of the Document Location Box 70 which is displayed whenever the user selects the **document location** button 22 on the save card 20 of Fig. 2 or the **document location** button 44 on the open card 40 of Fig. 4. Figs. 6a to 6e show the different displays in the Document Location Box 70 as the user **traverses** the real world hierarchical file structure 9.

The Document Location Box 70 is divided into two windows 71 and 72 called the select window 71 and the path window 72...The rename button 82 allows the user to rename levels or files.

Figs. 6a-6e show the state of the Document Location Box 70 as the user **traverses** the real world hierarchical file structure 9. The first screen displayed to the user when user enters-the Document Location Box 70 (ie., when the user activates the **document location** button 44 on the open card 40 of Fig. 4) is shown in Fig. 6a. The path window 72 is...

...door icon

76-78 represent the first defined level in the real world hierarchical file structure 9. The user, to **traverse** the real world hierarchical file structure 9, must select one or more of the door icons 76-78, Assuming that the user selects the "11AGI Investments" icon 76 then the state of the Document Location Box 70 will be that shown in Fig. 6b. The door icon 76 that was selected by the user now...

File 347:JAPIO Nov 1976-2004/Dec(Updated 050405)

(c) 2005 JPO & JAPIO

File 350:Derwent WPIX 1963-2005/UD,UM &UP=200522

(c) 2005 Thomson Derwent

Set	Items	Description
S1	13809	WEBPAGE? ? OR (WEB OR INTERNET OR HTML OR HYPERTEXT??? OR - HTTP)()PAGE? ? OR (HTML OR XML OR (MARKUP OR MARK()UP)()LANGU- AGE OR HYPERTEXT)(1W)(FILE? ? OR DOCUMENT? ?)
S2	1083385	DOCUMENT? ? OR PAGE OR PAGES OR ARTICLE? ? OR TEXT
S3	22926	(POSITION OR LOCATION)(5N)(CURSOR OR POINTER OR ARROW OR M- ARKER OR INDICATOR)
S4	102	S1:S2(7N)(CURRENT(2W)(POSITION OR LOCATION OR SPOT))
S5	23140	(POSITION OR LOCATION)(7N)S1:S2
S6	69302	TREE OR TREES OR HIERARCH?
S7	274	S6(5N)(WALK??? OR TRAVERS???)
S8	667	(POSITION OR LOCATION)(5N)S1:S2(5N)(CURSOR OR POINTER OR A- RROW OR MARKER OR INDICATOR)
S9	0	(S4 OR S8) AND S7
S10	18	(S4 OR S8) AND S6
S11	0	PARSE()TREE? ? AND (S4 OR S8)
S12	3	AU=CORONA G?
S13	7	S10 AND AC=US/PR
S14	6	S13 AND AY=(1970:2001)/PR
S15	8	S10 AND PY=1970:2001
S16	9	S14:S15
S17	1	S5 AND S7

16/5/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
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05650965 **Image available**
INFORMATION RECORDING MEDIUM AND ITS RECORDING/ REPRODUCING DEVICE

PUB. NO.: 09-265765 [JP 9265765 A]
PUBLISHED: October 07, 1997 (19971007)
INVENTOR(s): MORIYAMA YOSHIKI
SAWABE TAKAO
YOSHIMURA RYUICHIRO
YAMAMOTO KAORU
TOZAKI AKIHIRO
YOSHIO JUNICHI
KOBORI HIROHIDE
IWASE KENJI
YAMANASHI HIROTAKA
NAKAYAMA NAOYUKI
APPLICANT(s): PIONEER ELECTRON CORP [000501] (A Japanese Company or
Corporation), JP (Japan)
PIONEER L D C KK [000000] (A Japanese Company or Corporation)
, JP (Japan)
APPL. NO.: 08-068730 [JP 9668730]
FILED: March 25, 1996 (19960325)
INTL CLASS: [6] G11B-027/10; G06F-007/10; G06F-012/00; G06F-017/30;
G11B-020/12
JAPIO CLASS: 42.5 (ELECTRONICS -- Equipment); 45.1 (INFORMATION PROCESSING
-- Arithmetic Sequence Units); 45.2 (INFORMATION PROCESSING
-- Memory Units); 45.4 (INFORMATION PROCESSING -- Computer
Applications)
JAPIO KEYWORD: R002 (LASERS); R101 (APPLIED ELECTRONICS -- Video Tape
Recorders, VTR); R102 (APPLIED ELECTRONICS -- Video Disk
Recorders, VDR); R138 (APPLIED ELECTRONICS -- Vertical
Magnetic & Photomagnetic Recording)

ABSTRACT

PROBLEM TO BE SOLVED: To provide an information recording medium capable of describing text information on individual hierarchies and rapidly retrieving the text information by relating a text to a hierarchical structure with a hierarchical information piece.

SOLUTION: A text head pointer 129b as a text arrangement information piece showing the position of the text recorded as a character code line in an item text part 130 and an item code 129a as text correspondent hierarchical information piece or a kind information piece are recorded as a pair in an item text pointer 129. In the information recording medium constituted in such a manner, since the text is related to the hierarchical structure by the hierarchical information piece, provision of a text for each of plural hierarchies becomes possible. Further, since the text arrangement information piece showing the arrangement of the text information piece is incorporated, the text information is retrieved rapidly.

16/5/2 (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO
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02775855
SYSTEM FOR AUTOMATICALLY SWITCHING INPUT MODE

PUB. NO.: 01-073455 [JP 1073455 A]
PUBLISHED: March 17, 1989 (19890317)
INVENTOR(s): SUZUKI FUMIYOSHI

APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP
(Japan)
HITACHI PROCESS COMPUT ENG INC [485525] (A Japanese Company
or Corporation), JP (Japan)
APPL. NO.: 62-229588 [JP 87229588]
FILED: September 16, 1987 (19870916)
INTL CLASS: [4] G06F-015/20
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)
JOURNAL: Section: P, Section No. 893, Vol. 13, No. 291, Pg. 162, July
06, 1989 (19890706)

ABSTRACT

PURPOSE: To efficiently execute a program editing operation by automatically switching an input mode by means of shifting a cursor to a non-terminal symbol position.

CONSTITUTION: A non-terminal symbol is displayed by the screen output of a syntax template. Namely, the non-terminal symbol **position** turns into a text input **position** and a user shifts the **cursor** to the non-terminal symbol **position**. At the time, a text in a **position** to which the **cursor** has shifted and a **tree** are read whenever the cursor is shifted, and a character in the position of the cursor is decided to be a non-terminal symbol or not. If it is recognized to be the non-terminal symbol, the input mode is set to a text input mode. If the present **position** of the **cursor** is on the non-terminal symbol and the position of the cursor is positioned except on the non-terminal symbol as the result of the shift of the cursor, the input mode is switched from the text input mode to a common input mode. Thus, the user can switch the input mode only by the shift of the cursor without switching the mode.

16/5/3 (Item 3 from file: 347)
DIALOG(R) File 347:JAPIO
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02452065 **Image available**
DOCUMENT EDITING DEVICE

PUB. NO.: 63-068965 [JP 63068965 A]
PUBLISHED: March 28, 1988 (19880328)
INVENTOR(s): SANO HIROSHI
ISHIDA KATSUYO
KONNO SATOSHI
APPLICANT(s): TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 61-212667 [JP 86212667]
FILED: September 11, 1986 (19860911)
INTL CLASS: [4] G06F-015/20
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)
JAPIO KEYWORD: R139 (INFORMATION PROCESSING -- Word Processors)
JOURNAL: Section: P, Section No. 743, Vol. 12, No. 295, Pg. 80, August
11, 1988 (19880811)

ABSTRACT

PURPOSE: To heighten the efficiency of edition by storing places on a document for which edition indication is performed and their edition career information and restoring the places indicated in response to **cursor position** to the **document** before edition indication referring to the edition career information.

CONSTITUTION: A document edition control section 3 judges whether edition career is to be recorded or not according to edition indication operation information inputted from an input control section 2 through an input device 1, and analyzes document edition operation indication and gives a command to a document editing section 6. The result of edition in the

editing section 6 is stored in a document and edition career storing section 5, and at the same time, an edited document is outputted to an output device 8 through an output control section 7. An edition career operating section 4 records the career of editing operation and records the result in the storing section 5 in tree structure. Further the section takes out career of places indicated responding to cursor position according to information from the control section 3 that commands documents restoration, and outputs to the device 8 through the control section 7. Thus, the restoration can be made to the document before edition indicating operation, and the efficiency of edition can be improved.

16/5/4 (Item 1 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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014622755 **Image available**
WPI Acc No: 2002-443459/200247
XRPX Acc No: N02-349392

Duplicate tree structures utilization method for hierarchical structured data documents, involves storing map pointer at address in map index in location of duplicate array

Patent Assignee: NEO CORE INC (NEOC-N)

Inventor: DIREEN H G

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020046205	A1	20020418	US 2000240574	P	20001013	200247 B
			US 2001962952	A	20010925	

Priority Applications (No Type Date): US 2000240574 P 20001013; US 2001962952 A 20010925

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020046205	A1		20	G06F-007/00	Provisional application US 2000240574

Abstract (Basic): US 20020046205 A1

NOVELTY - The address of an item and its map pointer are received and stored. If the address in the map index is not empty, it is determined whether the duplicate indicator is set. If not, a duplicate array is selected and the existing map pointer is stored, at the address in the map index, in a location of the duplicate array.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

(1) Hierarchical structured data document system having a duplicate tree structure; and

(2) Hierarchical structured data document system operating method.

USE - For using duplicate tree structure for structured data documents such as hypertext markup language (HTML), standard generalized markup language (SGML) and extensible markup language (XML). For Internet and other business applications using XML.

ADVANTAGE - Reduces the size of structured data documents and increases the ease of storage. Requires less memory to store and less bandwidth to transmit. Significantly reduces the collisions resulting from duplicate storage inside an associative memory.

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart explaining the method of storing a structured data document.

pp; 20 DwgNo 7/19

Title Terms: DUPLICATE; TREE; STRUCTURE; UTILISE; METHOD; HIERARCHY; STRUCTURE; DATA; DOCUMENT; STORAGE; MAP; POINT; ADDRESS; MAP; INDEX; LOCATE; DUPLICATE; ARRAY

Derwent Class: T01

International Patent Class (Main): G06F-007/00

File Segment: EPI

16/5/5 (Item 2 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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012578735 **Image available**

WPI Acc No: 1999-384842/ 199932

XRPX Acc No: N99-288196

Page proxy for bookmarking uniform resource locators in web browser

Patent Assignee: NETSCAPE COMMUNICATIONS CORP (NETS-N)

Inventor: BAUERSFELD K

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5917491	A	19990629	US 97920960	A	19970829	199932 B

Priority Applications (No Type Date): US 97920960 A 19970829

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5917491	A		11 G06F-003/00	

Abstract (Basic): US 5917491 A

NOVELTY - A proxy tool manipulates a page proxy displayed in a window using gestures. A navigation aid provides an organization view of page proxy destination location and actions. A cursor gesture is moved over for attaching to the page proxy and mouse is used for dragging and dropping the page proxy to navigation aid.

DETAILED DESCRIPTION - The proxy tool has a page proxy icon (16) located on a menu bar proximate to a page location field (12). The navigation aid has a drag drop menu that includes hierarchically arranged contents, including multiple levels of sub-menus. The page proxy manages web page locations in the form of uniform resource locators (URLs) as web page bookmarks. An INDEPENDENT CLAIM is also included for page information representation management method.

USE - For bookmarking uniform resource locators and managing representations of page information in web browser such as netscape navigator and for managing E-mail messages.

ADVANTAGE - Allows to retain ability within a browser for bookmarks to be acquired and revisited easily, thereby providing more information to users when organizing their bookmarks.

DESCRIPTION OF DRAWING(S) - The figure shows schematic representation of a portion of browser display showing page proxy for bookmarking URLs.

Page location field (12)

Page proxy icon (16)

pp; 11 DwgNo 1/6

Title Terms: PAGE; UNIFORM; RESOURCE; LOCATE; WEB

Derwent Class: T01

International Patent Class (Main): G06F-003/00

File Segment: EPI

16/5/6 (Item 3 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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012522855 **Image available**

WPI Acc No: 1999-328961/ 199928

XRPX Acc No: N99-246850

Tracking method for locations in electronic documents

Patent Assignee: ADOBE SYSTEMS INC (ADOB-N)

Inventor: YOUNG J E

Number of Countries: 027 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 919936	A2	19990602	EP 98309519	A	19981126	199928 B
JP 11232307	A	19990827	JP 98335923	A	19981126	199945
CA 2254495	A1	19990526	CA 2254495	A	19981125	199946

Priority Applications (No Type Date): US 97980110 A 19971126

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 919936 A2 E 12 G06F-017/22

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
LI LT LU LV MC MK NL PT RO SE SI

JP 11232307 A 11 G06F-017/30

CA 2254495 A1 E G06F-017/30

Abstract (Basic): EP 919936 A2

NOVELTY - The computer system allows the user to create and alter documents (130). The documents consists of many parts, e.g. sections, chapters, paragraphs, graphics. Each of the parts can have a pointer associated with it. The pointers are managed by a location manager (102). Separate functions, e.g. editing, searching, use the location manager to maintain the pointer information. Alterations to the text is reflected in the pointer hierarchy.

USE - Tracking locations in electronic documents

ADVANTAGE - Provides a central location and consistent management of parts of an electronic document

DESCRIPTION OF DRAWING(S) - The figure shows a block diagram of a computer platform suitable for supporting a location manager in accordance with the invention.

Manager of points within documents (102)

Documents (130)

pp; 12 DwgNo 1/8

Title Terms: TRACK; METHOD; LOCATE; ELECTRONIC; DOCUMENT

Derwent Class: T01

International Patent Class (Main): G06F-017/22; G06F-017/30

International Patent Class (Additional): G06F-019/00

File Segment: EPI

16/5/7 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012217611 **Image available**

WPI Acc No: 1999-023717/ 199902

XRPX Acc No: N99-018216

Computer controlled three dimensional document display system - detects cursor movement corresponding to selected and destination documents based on which hierarchical display and positioning of documents in three dimensional workspace is carried out

Patent Assignee: XEROX CORP (XERO)

Inventor: CARD S K; ROBERTSON G G; YORK W M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5838326	A	19981117	US 96721302	A	19960926	199902 B

Priority Applications (No Type Date): US 96721302 A 19960926

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 5838326 A 19 G06F-003/00

Abstract (Basic): US 5838326 A

The system includes a retrieval unit for retrieving data from a desired document. The position of each document to be displayed in a three dimensional workspace is indicated by a pointer of a cursor

controller (106). The indicated documents are displayed in predefined positions within the workspace. The pointing position of cursor corresponding to selected document and downward movement of a switch in the pointer are detected. A line is drawn corresponding to the detected cursor movement. The position of cursor with respect to destination document and upward movement of switch are detected.

A predefined operation is performed based on the designated document destination. The information in the selected document is displayed in comprehensive manner in a focus space by a display circuit (107). The ephemeral position of various documents undisplayed in the focus area is displayed in an intermediate space. The unused documents are displayed in a tertiary space in the display surface. The flick operation performed by the user corresponding to the document is detected. Based on the detected flick position, the document reposition is carried out.

USE - For display of documents downloaded from WWW in internet.

ADVANTAGE - Facilitates display of several documents thereby raises accessing efficiency. Enables position of desired documents in various orientations according to user's view. Enables display of several documents according to hierarchical order. Facilitates determination of document position based on drawing line indicated with respect to flick gesture.

Dwg.1/12

Title Terms: COMPUTER; CONTROL; THREE; DIMENSION; DOCUMENT; DISPLAY; SYSTEM ; DETECT; CURSOR; MOVEMENT; CORRESPOND; SELECT; DESTINATION; DOCUMENT; BASED; HIERARCHY ; DISPLAY; POSITION; DOCUMENT; THREE; DIMENSION; CARRY
Derwent Class: T01
International Patent Class (Main): G06F-003/00
File Segment: EPI

16/5/9 (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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008375272 **Image available**
WPI Acc No: 1990-262273/ 199035
XRPX Acc No: N90-203223

Element marks contracting technique for structured document - contracting and expanding element mark at any level, and permitting user to manipulate logical structure with or without tag display
Patent Assignee: INT BUSINESS MACHINES CORP (IBMC); IBM CORP (IBMC)
Inventor: HESSE E M; KOZOL M; LIM C; HESSE E
Number of Countries: 014 Number of Patents: 007
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 384184	A	19900829	EP 90102063	A	19900202	199035 B
AU 9047960	A	19900830				199042
CA 2000014	A	19900824				199045
BR 9000874	A	19910213				199111
US 5185698	A	19930209	US 89315374	A	19890224	199308
EP 384184	A3	19930107	EP 90102063	A	19900202	199345
CA 2000014	C	19931221	CA 2000014	A	19891002	199406

Priority Applications (No Type Date): US 89315374 A 19890224
Cited Patents: NoSR.Pub; 3.Jnl.Ref; DE 3138734; GB 2043311; US 3974493
Patent Details:

Patent No	Kind	Lan	Pg	Main	IPC	Filing	Notes
EP 384184	A						
Designated States (Regional): BE CH DE ES FR GB IT LI NL SE							
US 5185698	A		13		G06F-007/28		
CA 2000014	C				G06F-015/403		

Abstract (Basic): EP 384184 A
The document processing system includes a central processing unit

(10), a random access memory (26) and a display device (21). The method **hierarchically** contracts element marks about a reference point in a structured document (33) containing a stream mark, and comprises the steps of determining whether the reference point is inside the stream mark, contracting the stream mark to the largest element which is completely contained in the stream mark and located at the **current document position** to produce an element mark, and displaying the structured document emphasizing the element mark.

USE ADVANTAGE - Capable of **hierarchically** contracting and expanding element marks. Editing and processing of structured documents. (25pp Dwg.No.1/5)

Title Terms: ELEMENT; MARK; CONTRACT; TECHNIQUE; STRUCTURE; DOCUMENT;
CONTRACT; EXPAND; ELEMENT; MARK; LEVEL; PERMIT; USER; MANIPULATE; LOGIC;
STRUCTURE; TAG; DISPLAY

Derwent Class: T01

International Patent Class (Main): G06F-007/28; G06F-015/403

International Patent Class (Additional): G06F-015/21

File Segment: EPI

?

File 275:Gale Group Computer DB(TM) 1983-2005/Apr 08
 (c) 2005 The Gale Group
 File 621:Gale Group New Prod.Annou.(R) 1985-2005/Apr 08
 (c) 2005 The Gale Group
 File 636:Gale Group Newsletter DB(TM) 1987-2005/Apr 08
 (c) 2005 The Gale Group
 File 16:Gale Group PROMT(R) 1990-2005/Apr 08
 (c) 2005 The Gale Group
 File 160:Gale Group PROMT(R) 1972-1989
 (c) 1999 The Gale Group
 File 148:Gale Group Trade & Industry DB 1976-2005/Apr 08
 (c)2005 The Gale Group
 File 624:McGraw-Hill Publications 1985-2005/Apr 07
 (c) 2005 McGraw-Hill Co. Inc
 File 15:ABI/Inform(R) 1971-2005/Apr 08
 (c) 2005 ProQuest Info&Learning
 File 647:CMP Computer Fulltext 1988-2005/Mar W3
 (c) 2005 CMP Media, LLC
 File 674:Computer News Fulltext 1989-2005/Apr W1
 (c) 2005 IDG Communications
 File 696:DIALOG Telecom. Newsletters 1995-2005/Apr 07
 (c) 2005 The Dialog Corp.
 File 369:New Scientist 1994-2005/Mar W2
 (c) 2005 Reed Business Information Ltd.
 File 810:Business Wire 1986-1999/Feb 28
 (c) 1999 Business Wire
 File 813:PR Newswire 1987-1999/Apr 30
 (c) 1999 PR Newswire Association Inc
 File 610:Business Wire 1999-2005/Apr 07
 (c) 2005 Business Wire.
 File 613:PR Newswire 1999-2005/Apr 08
 (c) 2005 PR Newswire Association Inc

Set	Items	Description
S1	302596	WEBPAGE? ? OR (WEB OR INTERNET OR HTML OR XML OR SGML OR HYPertext??? OR HTTP())PAGE? ? OR (HTML OR XML OR SGML OR (MARKUP OR MARK()UP)()LANGUAGE OR HYPertext)(1W)(FILE? ? OR DOCUMENT? ?)
S2	9238372	DOCUMENT? ? OR PAGE OR PAGES OR ARTICLE? ? OR TEXT
S3	865	(POSITION OR LOCATION)(5N)S1:S2(5N)(CURSOR OR POINTER OR ARROW OR MARKER OR INDICATOR)
S4	472	S1:S2(7N)(CURRENT(2W)(POSITION OR LOCATION OR SPOT))
S5	38144	(POSITION OR LOCATION)(7N)S1:S2
S6	519551	TREE OR TREES OR HIERARCH?
S7	2064	S6(5N)(WALK??? OR TRAVERS???)
S8	0	S3:S4(50N)S7
S9	0	S3:S4(100N)S7
S10	2	S5(50N)S7
S11	2	S5(100N)S7
S12	1	RD (unique items)

12/3,K/1 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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02256892 SUPPLIER NUMBER: 53482088 (USE FORMAT 7 OR 9 FOR FULL TEXT)
DHTML That Works in Both IE and Navigator.(designing Web sites for
cross-browser compatibility)(Technology Tutorial)(Tutorial)
Stanek, William Robert
PC Magazine, 212(1)
Jan 19, 1999
DOCUMENT TYPE: Tutorial ISSN: 0888-8507 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 2211 LINE COUNT: 00182

... are accessed according to their positions in the tree. The key to
accessing specific element layers is the ability to **traverse** the **tree**
structure. The root of the tree is the document object. The next level of
the tree is accessed via the either of the following statements:

```
document.layers('layer1').left += 5;
```

```
document .layer1.left += 5;
```

To set the left **position** of layer A, you would do this via layer 1
as in any of the following:

```
document.layers('layer1').document...
```

...5;

```
document.layer1.document.a.left += 5;
```

```
document.layers('layer1').document.a.left += 5;
```

As you can see, having to **traverse** the object **tree** for multiple
layers is a chore. If you avoid nesting containers and position each
container independently, you can avoid **traversing** multiple levels of the
tree .

Because IE and Navigator reference object attributes in different
ways, you'll need conditional statements in your code to determine...

File 8: Ei Compendex(R) 1970-2005/Mar W4
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File 583: Gale Group Globalbase(TM) 1986-2002/Dec 13
(c) 2002 The Gale Group

File 266: FEDRIP 2005/Jan
Comp & dist by NTIS, Intl Copyright All Rights Res

File 95: TEME-Technology & Management 1989-2005/Feb W4
(c) 2005 FIZ TECHNIK

File 438: Library Lit. & Info. Science 1984-2005/Feb
(c) 2005 The HW Wilson Co

Set	Items	Description
S1	23527	WEBPAGE? ? OR (WEB OR INTERNET OR HTML OR XML OR SGML OR HYPertext??? OR HTTP () PAGE? ? OR (HTML OR XML OR SGML OR (MARKUP OR MARK()UP) () LANGUAGE OR HYPertext) (1W) (FILE? ? OR DOCUMENT? ?)
S2	2298034	DOCUMENT? ? OR PAGE OR PAGES OR ARTICLE? ? OR TEXT
S3	39	(POSITION OR LOCATION) (5N) S1:S2 (5N) (CURSOR OR POINTER OR ARROW OR MARKER OR INDICATOR)
S4	153	S1:S2 (7N) (CURRENT(2W) (POSITION OR LOCATION OR SPOT))
S5	8840	(POSITION OR LOCATION) (10N) S1:S2
S6	796410	TREE OR TREES OR HIERARCH?
S7	3382	S6 (7N) (WALK??? OR TRAVERS???)
S8	0	S3:S4 AND S7
S9	0	S5 AND S7